ATLAS
ENGINEERING SERVICES, INCORPORATED

August 5, 2005

Santa Rosa Associates II
c/o INDUSTRIAL REALTY CO. of CA.
1091 Industrial Road Suite 101
San Carlos, California 94070-4118

SUBJECT: Groundwater Monitoring - Second Quarter 2005
3842 Finley Avenue
Santa Rosa, California

Dear Sirs:

Atlas Engineering Services, Incorporated (Atlas) respectfully submits the following report on groundwater monitoring conducted during the second quarter of 2005 at 3842 Finley Avenue in Santa Rosa, California. The scope of work completed includes sampling of one (1) monitor well and one (1) set of water level measurements at the three (3) monitor wells, as required by the North Coast Regional Water Quality Control Board (NCRWQCB) "Monitoring and Reporting Program No. R1-2002-0052 (issued May 10, 2002)". Attached to this report are copies of the field notes, chain-of-custody form, and lab reports.

Introduction

The above-referenced site is reported to have formerly contained underground storage tanks (USTs) used for aviation gasoline. Three (3) monitor wells (MW-1, MW-2, and MW-3) are present on the site (Figure 2). Prior to August 1997, monitoring was conducted by other consultants. This report documents sampling of monitor well MW-2 and water level measurements at MW-1, MW-2, and MW-3 conducted at the site in the second quarter of 2005 by Atlas. Monitor well MW-2 was sampled on May 17, 2005. Water level measurements at MW-1, MW-2, and MW-3 were also taken on May 17, 2005.

Purging

On May 17, 2005, depth to water (DTW) was measured in monitor wells MW-1, MW-2, and MW-3 prior to the purging of MW-2. Monitor wells MW-1 and MW-3 were not purged or sampled.

MW-1: DTW was measured at four and seventeen hundredths (4.17) feet below the top of casing (TOC).

MW-2: Prior to purging, DTW was measured at three and thirty-one hundredths (3.31) feet below the TOC. MW-2 was checked for the presence of free product using a new, clean polyethylene disposable bailer with special attachment; no free product was present. A two-inch (2") diameter submersible pump was used to purge the well. Purge water was discharged into five (5) gallon buckets for volume measurement. A total of thirty-five (35) gallons were purged from the well, equal to three (3) casing volumes.

P.O. BOX 1260, SANTA CRUZ, CA, 95061, (831) 426-1440
Fax: (831) 426-1288

MW-3: DTW was measured at three and eighty-seven hundredths (3.87) feet below the TOC.

Sampling

Atlas waited to collect a groundwater sample until the water level had recovered to eighty percent (80%) of its original level. Then a new, clean polyethylene bailer was used to remove a volume of water from the well for collection of a sample. Three (3) volatile organic analysis (VOA) vials, each containing preservative, were filled with groundwater from the bailer. Because of the presence of a separate phase liquid in MW-2 during the first quarter 2005 sampling event, two (2) one-liter amber glass bottles were also filled with groundwater from the bailer. All of the VOA vials and amber bottles were labeled with the date, location, and sampler, prior to storage on blue-ice in a cooler. Water generated by purging and sampling was placed in a storage tank pending sample analysis.

Laboratory Analyses

The sample containers were transported under chain of custody (see attached) to North State Labs, a state certified laboratory, for analyses. The sample was analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-gas) and benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8015B/8021B; and diesel fuel #2, kerosene, motor oil, and stoddard by EPA method 8015B modified.

Copies of the lab reports are attached. Sample results are presented in Table 1 with previous results.

MW-2: The EPA Method 8015M/8021B analyses for the MW-2 groundwater sample reported 1.820 milligrams per liter (mg/L) TPH-gas, 637 micrograms per liter (ug/L) benzene, 3.1 ug/L toluene, 97.5 ug/L ethylbenzene, and 22.5 ug/L xylenes. Diesel fuel #2, kerosene, and stoddard results were reported as 0.11mg/L, 0.12 mg/L, and 0.14 mg/L, respectively, although the lab noted that the pattern does not match the typical pattern for these compounds. Motor oil was not detected above method detection limits.

Quality Control

Quality control is included in the attached lab reports.

Horizontal Hydraulic Gradient

Immediately upon arrival at the site, and prior to purging and sampling, DTW measurements were taken at all three (3) wells by Atlas on May 17, 2005 using an electronic well sounder (see attached field notes). To calculate the horizontal hydraulic gradient, Atlas used TOCs referenced to Mean Sea Level (MSL) (Table 3) and casing coordinates (Table 2) surveyed by Atlas on August 18, 2004 using global positioning survey

(GPS) equipment. The water surface elevations (WSEs) were calculated as the difference between TOC and DTW (Table 3).

Using such data, the horizontal hydraulic gradient was calculated for May 17, 2005 to be eighteen ten-thousandths (0.0018) foot per foot in a direction approximately two hundred thirteen (213) degrees clockwise from north, or approximately towards the southwest (Table 4; Figure 2).

Summary and Conclusions

This report has been prepared to document quarterly groundwater monitoring conducted at 3842 Finley Avenue, in Santa Rosa, California (Figure 1) during the second quarter of 2005. The sampling and analyses were conducted in accordance with the requirements of the NCRWQCB "Monitoring and Reporting Program No. R1-2002-0052". In accordance therewith, monitor well MW-2 was sampled on May 17, 2005.

Analyses of the MW-2 groundwater sample reported 1.820 milligrams per liter (mg/L) TPH-gas, 637 micrograms per liter (ug/L) benzene, 3.1 ug/L toluene, 97.5 ug/L ethylbenzene, and 22.5 ug/L xylenes. An atypical pattern was reported present in the diesel fuel #2, kerosene, and stoddard ranges, quantified as 0.11mg/L, 0.12 mg/L, and 0.14 mg/L, respectively. Motor oil was not detected above method detection limits.

Water level measurements were collected at all three (3) wells (Table 3). The horizontal hydraulic gradient was calculated for May 17, 2005 to be eighteen ten-thousandths (0.0018) foot per foot in a direction approximately two hundred thirteen (213) degrees clockwise from north, or approximately towards the southwest.

Recommendations

In accordance with "Monitoring and Reporting Program No. R1-2002-0052" issued by the NCRWQCB for the site, Atlas recommends sampling of monitor well MW-2 during the next quarter, and collection of water level measurements from all three (3) wells for use in determining the horizontal hydraulic gradient.

If separate phase compounds are present in MW-2 groundwater during the third quarter 2005 sampling event, Atlas also recommends sampling and analysis of MW-2 groundwater for SVOCs by EPA Method 8270C to verify the presence of the phthalates detected during the first quarter 2005.

Please call me at (831) 426-1440 if you have any questions or require additional information.

Sincerely,

Frederick A. Yukic, MS, PE
Principal Engineer

cc: Mr. Stephen Bargsten, NCRWQCB
Mr. Balraj Sandhu, USACE

Table 1.
Water Analytical Results
Santa Rosa Air Center
3842 Finley Avenue
Santa Rosa, California

Location	Date	TPH-gas	TPH-avgas	TEPH	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Semi Volatile Organics
		mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Overex.	4/20/1992	0.13	--	--	1.7	ND	0.8	ND	--	--
MW-1	3/4/1994	0.09	--	--	ND	0.5	ND	0.7	--	--
	6/30/1994	0.26	--	--	ND	ND	ND	ND	--	--
	10/5/1994	ND	--	--	ND	ND	ND	ND	--	--
	12/15/1994	ND	--	--	ND	ND	ND	ND	--	--
	6/21/1995	0.15	--	--	ND	11.0	3.3	1.5	--	--
	9/25/1995	0.24	--	--	1.4	ND	ND	ND	--	--
	3/8/1996	0.12	--	--	0.89	ND	ND	ND	--	--
	12/24/1996	0.059	--	--	ND	ND	ND	ND	--	--
	4/14/1997	0.055	--	--	ND	ND	ND	ND	--	--
	7/16/1997	0.053	--	--	ND	ND	ND	ND	--	--
	8/19/1997	0.12	--	--	ND	ND	ND	ND	ND	--
	11/14/1997	0.055	--	--	ND	ND	ND	ND	ND	--
	2/17/1998	ND	--	--	ND	ND	ND	ND	ND	--
	5/14/1998	0.12	--	--	ND	ND	ND	ND	ND	--
	11/19/1998	ND	--	--	ND	ND	ND	ND	ND	--
	5/18/1999	ND	0.072	--	ND	ND	ND	ND	ND**	--
	11/23/1999	ND	ND	--	ND	ND	ND	ND	ND**	--
	5/16/2000	ND	ND	--	ND	ND	ND	ND	ND**	--
	11/21/2000	ND	ND	--	ND	ND	ND	ND	ND	--
	6/4/2001	0.064	--	--	ND	ND	ND	ND	ND	--
	12/8/2001	0.114	--	--	ND	2.2	ND	2.9	--	--
	5/17/2002	ND	--	--	ND	ND	ND	ND	--	--
	2/20/2003	ND	--	--	ND	ND	ND	ND	--	--
	2/28/2004	ND	--	--	ND	ND	ND	ND	ND	--
	2/17/2005	ND	--	--	ND	ND	0.6	2.5	--	ND

Notes: * = by EPA Method 8240

** = by EPA Method 8260

*** = chromatogram pattern is not typical of fuel

Table 1.
Water Analytical Results
Santa Rosa Air Center
3842 Finley Avenue
Santa Rosa, California

Location	Date	TPH-gas	TPH-avgas	TEPH	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	VOCs	Diesel Fuel #2	Kerosene	Motor Oils	Semi Volatile Organics
		mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
MW-2	3/4/1994	1.3	--	--	46.	26.	14.	29.	--	--	--	--	--	--
	6/30/1994	2.2	--	--	ND	ND	ND	ND	--	--	--	--	--	--
	10/5/1994	0.32	--	--	150.	1.7	4.4	5.	--	--	--	--	--	--
	12/15/1994	0.58	--	--	57.	ND	ND	ND	--	--	--	--	--	--
	6/21/1995	3.6	--	--	1200.	5.9	140.	37.	--	--	--	--	--	--
	9/25/1995	4.1	--	--	1300.	7.1	150.	28.	--	--	--	--	--	--
	3/8/1996	8.6	--	--	2600.	10.	270.	46.	--	--	--	--	--	--
	12/24/1996	8.5	--	--	3100.	9.4	350.	33.	--	--	--	--	--	--
	4/14/1997	9.1	--	--	3200.	11.	310.	40.	--	--	--	--	--	--
	7/16/1997	4.8	--	--	1800.	16.	130.	11.	--	--	--	--	--	--
	8/19/1997	2.1	--	--	290.	ND	ND	ND	ND	--	--	--	--	--
	11/14/1997	3.7	--	--	220.	ND	6.	2.6	ND	--	--	--	--	--
	2/17/1998	1.5	--	ND	97.	ND	1.	0.79	ND	--	--	--	--	--
	5/14/1998	1.5	--	--	140.	ND	3.3	0.71	41.	--	--	--	--	--
	8/18/1998	2.5	--	--	610.	ND	ND	ND	ND	--	--	--	--	--
		--	--	--	530*	ND*	ND*	ND*	ND*	ND*	--	--	--	--
	11/19/1998	3.2	--	--	480.	0.76	8.	4.3	15.	--	--	--	--	--
		--	--	--	--	--	--	--	ND**	--	--	--	--	--
	2/11/1999	ND	0.16	--	72.	1.1	0.81	ND	ND**	--	--	--	--	--
	5/18/1999	ND	2.0	--	370.	ND	4.5	2.9	ND**	--	--	--	--	--
	8/17/1999	2.3	ND	--	490.	24.	15.	8.3	ND**	--	--	--	--	--
	11/23/1999	3.6	ND	--	310.	19.	10.	ND	ND**	--	--	--	--	--
	1/13/2000	2.5	ND	--	120.	3.3	2.2	1.5	ND**	--	--	--	--	--
	5/16/2000	2.7	ND	--	380.	11.	22.	19.	ND**	--	--	--	--	--
	8/24/2000	1.0	ND	--	400.	ND	6.6	ND	ND**	--	--	--	--	--
	11/21/2000	2.3	1.8	--	200.	4.4	4.1	3.4	34.	--	--	--	--	--
	2/26/2001	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
	5/22/2001	4.7	--	--	200.	32.	1.	5.	ND**	--	--	--	--	--
	9/1/2001	2.0	--	--	390.	11.	8.	2.	--	--	--	--	--	--
	12/8/2001	9.67	--	--	1190.	46.5	1050.	506.	--	--	--	--	--	--
	2/28/2002	7.63	--	--	2250.	48.6	448.	231.	--	--	--	--	--	--
	5/17/2002	9.08	--	--	2180.	37.8	470.	161.	--	--	--	--	--	--
	8/23/2002	5.45	--	--	1000.	35.8	195.	77.8	--	--	--	--	--	--
	11/21/2002	4.85	--	--	920.	35.1	297.	131.	--	--	--	--	--	--
	2/20/2003	4.35	--	--	1190.	11.	201.	83.2	--	--	--	--	--	--
	5/23/2003	8.16	--	--	1220.	28.2	436.	110.	--	--	--	--	--	--
	8/15/2003	5.21	--	--	938.	20.	200.	50.	--	--	--	--	--	--
	11/20/2003	7.33	--	--	1360.	24.1	345.	117.	--	--	--	--	--	--
	2/28/2004	3.61	--	--	524.	7.5	125.	42.1	ND	--	--	--	--	--
	5/20/2004	4.28	--	--	934.	9.7	73.7	39.7	ND	--	--	--	--	--
	8/18/2004	1.64	--	--	852.	12.9	117.	33.3	--	--	--	--	--	--
	10/29/2004	8.22	--	--	2100.	14.7	424.	123.	--	--	60****	129****	11*****	--
	2/17/2005	4.29	--	--	547.	18.8	124.	31.2	--	--	--	--	--	0.146
	5/17/2005	**1.82**	--	--	**637.**	**3.1**	**97.5**	**22.5**	**--**	**--**	**0.11****	**0.12****	**ND**	--

Notes: * = by EPA Method 8240

** = by EPA Method 8260

*** = chromatogram pattern is not typical of fuel

**** = chromatogram pattern is not typical of diesel or kerosene, due to gasoline overlap

***** = chromatogram pattern is not typical of motor oils, due to single peaks

Table 1.
Water Analytical Results
Santa Rosa Air Center
3842 Finley Avenue
Santa Rosa, California

Location	Date	TPH-gas	TPH-avgas	TEPH	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	VOCs
		mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-3	3/4/1994	ND	--	--	ND	ND	ND	ND	--	--
	6/30/1994	0.84	--	--	ND	ND	ND	ND	--	--
	10/5/1994	ND	--	--	ND	ND	ND	ND	--	--
	12/15/1994	ND	--	--	ND	ND	ND	ND	--	--
	6/21/1995	ND	--	--	0.8	ND	ND	ND	--	--
	9/25/1995	ND	--	--	ND	ND	ND	ND	--	--
	3/8/1996	ND	--	--	ND	ND	ND	ND	--	--
	12/24/1996	0.052	--	--	1.1	ND	ND	0.69	--	--
	4/14/1997	ND	--	--	ND	ND	ND	ND	--	--
	7/16/1997	0.056	--	--	ND	ND	ND	ND	--	--
	8/19/1997	0.9	--	--	ND	ND	ND	ND	ND	--
	11/14/1997	0.19	--	--	ND	ND	ND	ND	ND	--
	2/17/1998	ND	--	--	0.7	ND	ND	ND	ND	--
	5/14/1998	ND	--	--	ND	ND	ND	ND	ND	--
	11/19/1998	0.058	--	--	ND	ND	ND	ND	ND	--
	5/18/1999	ND	0.082	--	ND	ND	ND	ND	ND**	--
	11/23/1999	0.066***	ND	--	ND	ND	ND	ND	ND**	--
	5/16/2000	ND	ND	--	ND	ND	ND	ND	ND**	--
	11/21/2000	0.077***	ND	--	ND	ND	ND	ND	ND	--
	6/4/2001	0.1	--	--	ND	ND	ND	ND	ND**	--
	12/8/2001	0.091	--	--	ND	ND	ND	ND	--	--
	5/17/2002	0.06	--	--	ND	ND	ND	ND	--	--
	2/20/2003	ND	--	--	0.6	ND	ND	ND	--	--
	2/28/2004	0.059	--	--	ND	ND	ND	ND	ND	--
	2/17/2005	0.081	--	--	4.5	ND	ND	ND	--	--

Notes: * = by EPA Method 8240
** = by EPA Method 8260
*** = chromatogram pattern is not typical of fuel

Table 2
Monitor Well Coordinates
3842 Finley Avenue
Santa Rosa, California

Well	Easting	Northing
MW-1	5,913,720.80	2,346,339.39
MW-2	5,913,598.50	2,346,408.63
MW-3	5,913,567.51	2,346,287.18

Notes: California Coordinates measured on August 18, 2004
by Atlas using GPS equipment.

Table 3
Water Level Measurements
3842 Finley Avenue
Santa Rosa, California

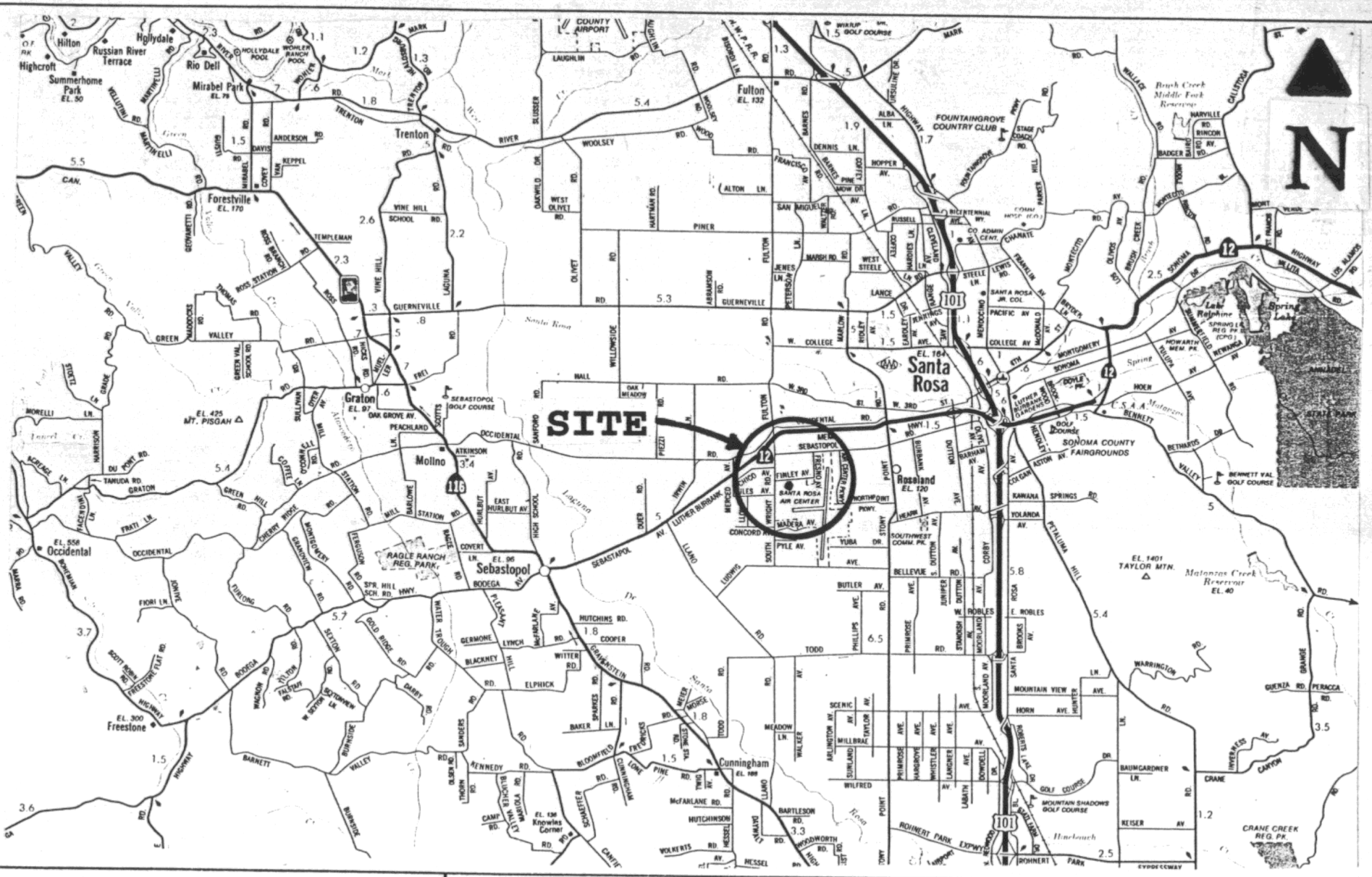
Well	Top of Casing (TOC)	Depth to Water Elevation (DTW)	Water Surface Elevation (WSE)
May 17, 2005			
MW-1	97.60	4.17	93.43
MW-2	96.73	3.31	93.42
MW-3	97.15	3.87	93.28

Notes: Elevations referenced to Mean Sea Level (MSL)
All measurements are in feet.

Table 4.
Horizontal Hydraulic Gradients
3842 Finley Avenue
Santa Rosa, California

Date	Magnitude	Angle from North
4/24/1994	0.001	215
5/27/1994	0.002	232
6/30/1994	0.001	238
7/21/1994	0.0017	237
8/26/1994	0.0016	258
10/5/1994	0.0016	246
10/21/1994	0.002	248
12/15/1994	0.001	149
6/21/1995	0.003	198
9/25/1995	0.002	235
3/8/1996	0.001	164
12/24/1996	0.001	152
4/14/1997	0.002	196
7/16/1997	0.002	255
8/19/1997	0.0016	306
9/16/1997	0.0023	269
10/17/1997	0.0013	321
11/14/1997	0.0015	283
12/18/1997	0.0010	124
1/16/1998	0.0013	144
2/17/1998	0.00044	274
3/12/1998	0.0010	241
4/16/1998	0.0016	239
5/14/1998	0.0022	216
6/16/1998	0.0028	233
8/18/1998	0.0016	244
11/19/1998	0.0014	257
2/11/1999	0.0015	168
5/18/1999	0.0018	236
9/27/1999	0.0030	268
11/23/1999	0.0015	292
1/13/2000	0.0017	260
5/16/2000	0.0022	230
8/24/2000	0.0020	271
11/21/2000	0.0019	287
2/26/2001	0.0007	181
5/22/2001	0.0018	253
9/1/2001	0.0044	295
12/8/2001	0.0076	125
3/26/2002	0.0017	196
5/17/2002	0.0023	224
8/23/2002	0.0087	106
11/21/2002	0.0016	319
2/20/2003	0.0016	170
5/23/2003	0.0016	233
8/15/2003	0.0028	260
11/20/2003	0.0021	265
2/28/2004	0.0017	183
5/20/2004	0.0020	235
8/18/2004	0.0029	260
10/29/2004	0.0019	282
2/17/2005	0.0013	167
5/17/2005	**0.0018**	**213**

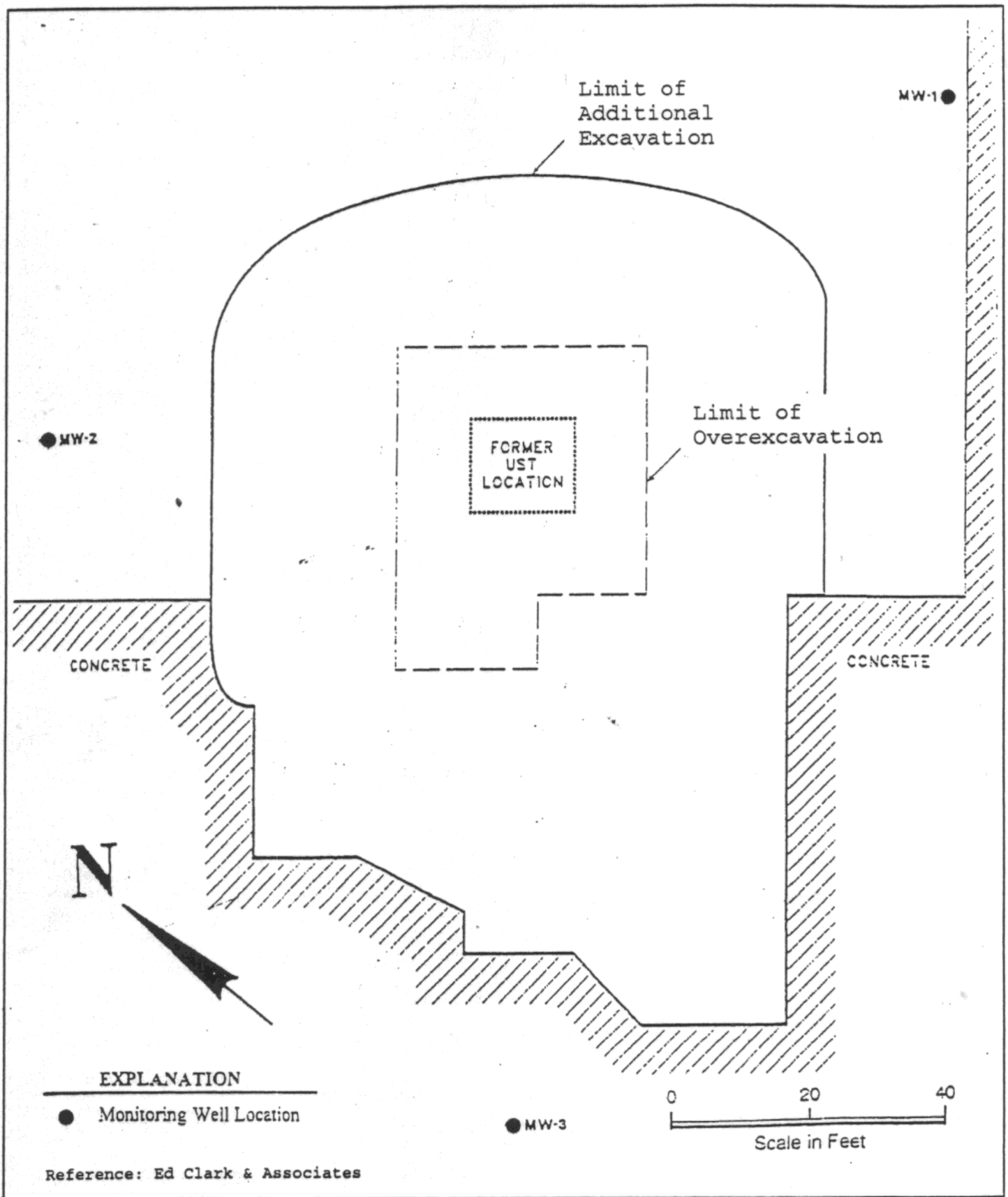
Note: Beginning 8/18/04, gradients calculated using coordinates determined by Atlas using GPS equipment



ATLAS
ENGINEERING SERVICES, INC.

scale

Figure 1. Location Map
3842 Finley Avenue
Santa Rosa, California



Reference: Ed Clark & Associates

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ENGINEERING SERVICES, INC.

Figure 2. Site Map
3842 Finley Avenue
Santa Rosa, California

FIELD SHEET

JOB/SITE NAME: ERM **DATE:** 5-17-05

WORK DONE BY: FJ

ACTIVITY: Sample MW-2 - Quarterly

EQUIPMENT RENTAL/ DRILLER: **HOURS:**

124 mi | van

NOTES:

TIME	DESCRIPTION
10:15	Arrive site
	open wells
	DTW
10:30	MW-3 3.98 S
	MW-1 4.18
	MW-2 3.32 N
10:45	MW-3 3.97
	MW-1 4.17
	MW-2 3.31
	water in prod ~ 1.5' bgs. [visual estimate]
	Sample MW-2
12:15	Leave site

DATA SHEET FOR SAMPLING WELL MW-2

JOB NAME SRAL
SAMPLED BY BM

DATE 5.17.05
SHEET 1 OF 1

USE POSITIVE VALUES
WELL DEPTH (WD) 21
INITIAL DEPTH TO WATER (DTWI) 3.32
(WD - DTWI) (X GAL/FT) = CASING VOLUME (CV)
(21 - 3.32) (0.66 GAL/FT) = 11.67 GAL/CV
(3 CV) (GAL/CV) = 3 CASING VOLUMES
(3) (11.67) = 34 GALLONS NEED TO BE PURGED

DIA.	X
2"	0.17
4"	0.66
6"	1.5

TIME	DTW	GALS	MICR S	PH	TEMP C	TURB	NOTES
9:50	3.31						
		0					1st bailer brownish, no f.p.
							grombler, p.o. (bailer bail)
							place 2" submersible
10:10		1					start pump
11:03		5					
11:07		10					
11:09		15					
11:12		20					
11:14		25					
11:17		30					
11:19		34					
	15.4						
11:34	5.76						80% recovery
							Sample w/ clean 2nd bailer
							no f.p
							3 VOAs, 2-1 L
							water to tank, clean site

FINAL DEPTH TO WATER (DTWF) 15.4
0.2 (DTWF) + 0.8 (DTWI) = DTW FOR 80% RECOVERY (DTW 80%R)
0.2 (15.4) + 0.8 (3.31) = 5.76 FT MAX. BEFORE SAMPLING

3.1 + 2.64

North State Labs
CA ELAP # 1753
815 Dubuque Avenue • South San Francisco, CA 94080 • **(650) 266-4563** • FAX (650) 266-4560

Case Narrative

Client: Atlas
Project: SRAC
Lab No: 05-0730
Date Received: 05/17/2005 Date reported: 05/31/2005

One water sample was received under chain of custody control for the analysis of BTEX by method 8021B and gasoline, diesel, kerosene, and motor oil by method 8015B (modified for kerosene, stoddard, and motor oil/client's request). All QA/QC results met acceptance criteria. The LCS/LCSD results were reported for all analyses; not enough sample volume was supplied to analyze MS/MSD's.

Erin Cunniffe
Laboratory Director

North State Labs
CA ELAP # 1753
815 Dubuque Avenue • South San Francisco, CA 94080 • **(650) 266-4563** • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 05-0730
Client: Atlas
Project: SRAC

Date Reported: 05/31/2005

Gasoline and BTEX by Methods 8015B/8021B
Diesel Range Hydrocarbons by Method 8015B
Motor Oil, Stoddard, and Kerosene by Method 8015B (modified/ client's request)

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 05-0730-01 Client ID: MW-2				05/17/2005	W
Benzene	SW8020F	637	UG/L		05/18/2005
Ethylbenzene	SW8020F	97.5	UG/L		05/18/2005
Gasoline Range Organics	SW8020F	1820	UG/L		05/18/2005
SUR-a,a,a-Trifluorotoluene	SW8020F	97	PERCENT		05/18/2005
Toluene	SW8020F	3.1	UG/L		05/18/2005
Xylenes	SW8020F	22.5	UG/L		05/18/2005
Diesel Fuel #2	CATFH	*0.11	MG/L		05/25/2005
Kerosene	CATFH	*0.12	MG/L		05/25/2005
Motor Oils	CATFH	ND<0.5	MG/L		05/25/2005
Stoddard	CATFH	*0.14	MG/L		05/25/2005

*Pattern does not match.

North State Labs
CA ELAP # 1753
815 Dubuque Avenue • South San Francisco, CA 94080 • **(650) 266-4563** • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Quality Control/Quality Assurance

Lab Number: 05-0730
Client: Atlas
Project: SRAC

Date Reported: 05/31/2005

Gasoline and BTEX by Methods 8015B/8021B
Diesel Range Hydrocarbons by Method 8015B
Motor Oil, Stoddard, and Kerosene by Method 8015B (modified/ client's request)

Analyte	Method	Reporting Limit	Unit	Blank	MS/MSD Recovery	RPD
Gasoline Range Organics	SW8020F		UG/L	ND	107/107	0
Benzene	SW8020F	0.5	UG/L	ND	82/83	1
Toluene	SW8020F		UG/L	ND	95/95	0
Ethylbenzene	SW8020F	0.5	UG/L	ND	81/85	5
Xylenes	SW8020F		UG/L	ND	99/99	0
SUR-a,a,a-Trifluorotoluene	SW8020F		PERCENT	97	95/95	0
Diesel Fuel #2	CATFH	0.05	MG/L	ND	114/113	1
Kerosene	CATFH	0.05	MG/L	ND	NA	NA
Motor Oils	CATFH		MG/L	ND	NA	NA
Stoddard	CATFH	0.05	MG/L	ND	NA	NA

ELAP Certificate NO:1753
Reviewed and Approved

Erin Cunniffe, Laboratory Director

05-0730

North State Labs

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Chain of Custody / Request for Analysis

Lab Job No.:________ Page 1 of 1

Client: Atlas	Report to: Fred Yukic	Phone: 831-426-1440	Turnaround Time: Regular
Mailing Address: PO Box 1260 Santa Cruz, CA 95061	Billing to: same	Fax: 831-426-7298	Date: 5.17.05
		email: Atlas@Verizon.com	Sampler: [illegible]
		PO#	

Project / Site Address / Global ID: SRAC / T0609723490

Analysis Requested

Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	TPH-g BTEX	TPH-kerosene diesel stoddard	~~motor oil~~			Please add motor oil		Field Point ID
MW-2	W	3 VOAs	Y	5.17.05/11:40	X							MW-2
MW-2	W	1-1L	N	↓		X						↓
MW-2	W	1-1L	N	↓				HOLD				

Relinquished by: [illegible]	Date: 5.17.05	Time: 14:20	Received by: [illegible]	Lab Comments/ Hazards
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by:	

TERMS: NET 30 OAC

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05-0730

Chain of Custody / Request for Analysis

Lab Job No.: _____ **Page** 1 **of** 1

Client: Atlas	**Report to:** Fred Yufu	**Phone:** 831-426-1440	**Turnaround Time** Regular
Mailing Address: POBox 1260 Santa Cruz, CA 95061	**Billing to:** same	**Fax:** 831-426-7298	
		email: Atlas@cruzio.com	**Date:** 5-17-05
		PO#	**Sampler:** FAYufu

Project / Site Address / Global ID: SRAC / T0609723349

Analysis Requested

Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	TPH-g / BTEX	TPH-kerosene & diesel w/ silica gel						EDF ☒ PDF ☐ Field Point ID
MW-2	W	3 VOAs	Y	5.17.05 / 11:40	X							MW-2
MW-2	W	1-1L	N	↓		X						↓
MW-2	W	1-1L	N	↓				HOLD				

Relinquished by: FAYufu	Date: 5-17-05	Time: 14:20	Received by: EK	**Lab Comments/ Hazards**
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by:	

TERMS: NET 30 OAC

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SAMPLE RECEIPT CHECKLIST

Client Name: Atlas Ref/Job No: 05-0730 Date: 5.17.05

Checked By: EU

Matrix: Soil: Water: X Other:

If Received via Shipment (If dropped off in person this section does not apply):

Carrier Name:

Shipping Container/Cooler In Good Condition?	Y	N	
Custody Seals Intact on Shipping Container?	Y	N	N/A
No. of coolers: Temperature of Cooler:		In Range?:	Y N
Custody Seals intact on sample containers?	(Y)	N	N/A
Chain of Custody present?	(Y)	N	
Chain of Custody Signatures & Date/Time correct?	(Y)	N	
Chain of custody agrees with sample labels?	(Y)	N	
Samples in proper containers?	(Y)	N	
Sample containers Intact?	(Y)	N	
Sufficient sample volume for indicated tests?	(Y)	N	
All Samples received within holding times?	(Y)	N	
Temperature Blank present? Record Temp if present.	Y	(N)	Temp:
For water samples- VOAS have zero headspace?	(Y)	N	N/A
Samples received in bottles with proper preservative?	(Y)	N	N/A

pH adjusted - Preservative used: HNO3:___ HCl:___ H2SO4:___ NaOH:___ ZnOAc:___
Supplier: Lot:

For water samples for the analysis of total recoverable metals not digested - pH <2? See attached sheet

Corrective Action Record:

Client Contacted:_____ Date Contacted:_____ Person Contacted:_____

Contacted by:_____ Regarding:_____

Comments:_____

Corrective Action:_____